Jared Mlekush

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WORK EXPERIENCE

Extend **11/2021 – 07/2023**
Data Scientist 2 Remote, CA

- Developed and deployed a Python time series forecast model, **boosting finance revenue** forecasting accuracy by around **12%**
- Employed machine learning techniques on Salesforce and alternative data sources to analyze performance, **resulting in a 9% reduction** in merchant churn among clients valued at over $25 million
- Automated reporting process by leveraging Snowflake and DBT/Postgres SQL; **slashed weekly time spent for all team members from hours to less than 20 minutes**, enabling more timely and advanced data-driven decision-making
- Architected and implemented a Python-based anomaly detection/fraud detection modeling solution utilizing machine learning algorithms; detected and prevented potential fraudulent transactions, **resulting in a 5% reduction in financial losses**
- Generated and maintained Tableau dashboards and data visualizations containing key core business metrics for senior management teams and cross functional stakeholders; **used by C-suite executives**
- Aligned with Data Engineering to design and deploy data models utilizing DBT and Snowflake, **optimizing data processing and reporting speed over 50%** and enhancing overall data quality

UCSF **01/2021 – 09/2021**
Data Scientist Remote, CA

- Engineered a suite of 7 robust classification models in Python, leveraging Logistic Regression and Random Forest Classifier, to deliver great accuracy **rates exceeding 85% across target variables**, optimizing data-driven insights
- Engaged in productive correspondence with doctors to devise effective strategies for feature engineering columns, resulting in the successful creation of 2 additional data models that improved predictive capabilities
- Facilitated regular weekly communication and knowledge exchange among data scientists, fostering a collaborative environment that led to a increase in team efficiency and accelerated decision making capabilities

Santa Clara County **03/2019 – 02/2020**
Data Analyst San Jose, CA

- Using Python and SQL; collected, analyzed, and assessed invoice data reports from 2 different information systems, Excel spreadsheets, and SAP accounting database to determine the accuracy and increase proficiency
- Led creation of Excel spreadsheet templates for future data collection from over 30 of the County's mental health agencies
- Trained and mentored colleagues in utilizing the Excel templates designed, by leading a lunch and learn, **presenting to over 20 analysts** across the business

PROJECTS

Fruit Classification With Deep Learning (Portfolio Site)

- Enhanced prediction accuracy by 20% when compared to baseline model by addressing over-fitting and implementing techniques such as Dropout & Image Augmentation (Transfer learning with VGG16, Python)

Enhancing Targeting Accuracy With ML (Portfolio Site)

- Achieved high performance across metrics, including classification accuracy (93.5%), precision (88.7%), recall (90.4%), and F1 score (89.5%) which provided valuable insights for client messaging and customer targeting (XGBoost, ML)

EDUCATION

University of San Francisco **Received: 08/2021**
MS, Data Science San Francisco, CA

California State University, East Bay **Received: 12/2018**
BS, Applied Mathematics San Francisco, CA

SKILLS

- Python; SQL; DBT; Snowflake; R; Pandas; NumPy; SciPy; TensorFlow; Keras; PyTorch; Spark; Risk; LLM; Tableau; AWS
- Hypothesis Testing; Deep Learning; Software Development; Probability Theoy; Scikit-Learn; Data Analytics; Statistical Analysis